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(54) PRODUCTION OF MONODISPERSIVE SILVER-PALLADIUM MULTIPLE POWDER AND THE SAME POWDER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for producing a silver-palladium multiple powder good in dispersibility and narrow in size distribution and the obtain silver- palladium multiple powder produced by the same producing method.

SOLUTION: This method for producing monodispersive silverpalladium multiple powder includes the followings: (a) a dispersant is previously added (hereinafter referred to as the primary addition of the dispersant) to either an aq. soln. contg. silver salt and palladium salt (hereinafter referred to as a noble metal salt-contg. aq. soln.) or a reducing agent-contg. aq. soln. contg. hydrazine sulfate and hydrazine hydrate so as to regulate the molar ratio of 80wt.% hydrazine hydrate/hydrazine sulfate 0.05 to 20.0, (b) the noble metal salt-contg. aq. soln. and reducing agent-contg. aq. soln. are mixed to precipitate silver-palladium multiple powder by reduction, and (c) after that, before the generation of the secondary flocculation of the grains, the dispersant is furthermore added (denoted as the secondary addition of the dispersant). Silver- palladium multiple powder is produced by the same producing method as well.